

REMARKS

The Examiner's attention to the present application is noted with appreciation. In response to the Examiner's comments on priority, applicant notes that 10/382,971 discloses thin feed spacers, which are claimed in present claim 20, and U.S. Patent No. 6,558,537, which is the parent application of 09/907,092 discloses pulsing, which is claimed in many places in the present claims. This application claims priority to the said parent applications with respect to said subject matter.

The Examiner rejected claims 1, 2, 5, 8-10, 12, 14-21, 24-29, 37, 38, 40, 43-49, 55-59, 61-64, and 67 under 35 U.S.C. 102(b) as being anticipated by Wilson. The Examiner also rejected claims 22, 23, 30-36, and 50-54 under 35 U.S.C. 103(a) as being unpatentable over Wilson in view of other references. These rejections are respectfully traversed, particularly as to the claims as amended. The claims have been amended to clarify the claimed invention. As stated in the Applicant's previously filed Request for Reconsideration, the present claims clearly require a dual head pump comprising a primary feed head and a secondary retentate head. None of the art cited discloses such a pump. The pump of Wilson does not disclose two heads, one of which is a feed head and one of which is a retentate head. Rather, Wilson discloses two heads connected in parallel, the front and rear faces of *each head* comprising different swept volumes (col. 3, lines 8-35, and col. 2 lines 6-15 of 4,124,488). That is, the two heads disclosed by Wilson are not a feed head and a retentate head. Each of Wilson's heads serves the same purpose as the other head; it is the front and rear *faces* of each of Wilson's heads which comprise different swept volumes. Thus, neither Wilson nor any of the other cited art disclose or suggest a dual head pump with the claimed structure of two separate, single heads the front sides of which comprise different swept volumes.

The Examiner rejected claims 1-7, 37, 38, 56, and 57 under 35 U.S.C. 102(b) as being anticipated by Keefer. Such rejection is respectfully traversed, particularly as to the claims as amended. Keefer discloses only a single head, the front and rear *faces* of which comprise different swept volumes. (Although it looks like a pump head, 15 is actually a differential surge absorber.) Further, neither Keefer nor any of the art cited disclose a hydraulically activated DPA valve. The equivalent valving assembly 13

of Keefer is operated manually by the pumping action of the user. The other art cited discloses valving which is activated via solenoids or like methods.

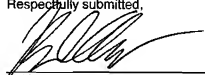
In view of the above amendments and remarks, it is respectfully submitted that all grounds of rejection and objection have been avoided and/or traversed. It is believed that the case is now in condition for allowance and same is respectfully requested.

In view of the above amendments and remarks, it is respectfully submitted that all grounds of rejection and objection have been avoided and/or traversed. It is believed that the case is now in condition for allowance and same is respectfully requested. If any issues remain, or if the Examiner believes that prosecution of this application might be expedited by discussion of the issues, the Examiner is cordially invited to telephone the undersigned agent for Applicant at the telephone number listed below.

Also being filed herewith is a Petition for Extension of Time to February 12, 2007, with the appropriate fee. Credit card authorization has been given for payment of the appropriate fee. Authorization is given to charge payment of any additional fees required, or credit any overpayment, to Deposit Acct. 13-4213.

Respectfully submitted,

By:


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